

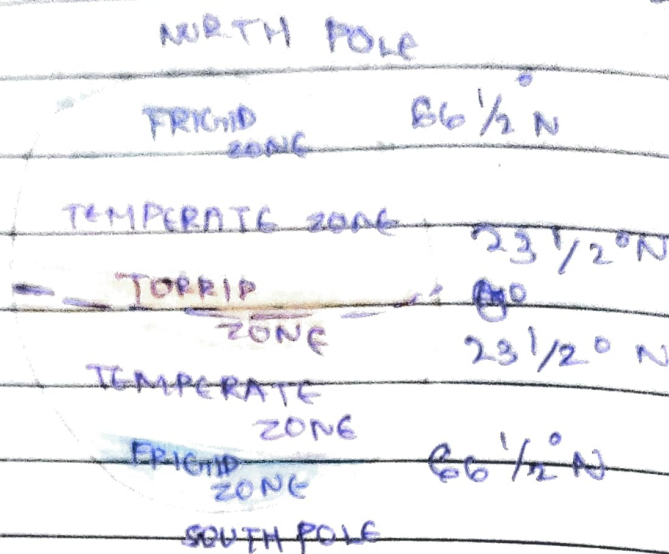
Latitude and Longitude



Ex

1. Ans - lobe is a miniature form of the Earth.

2. Ans



3. Ans - The torrid zone lies between the Tropic of Cancer and Tropic of Capricorn. The sun is exactly overhead once a year, on all the latitudes between these two tropics. The sun rays falling exactly overhead gives out more heat than oblique rays. Therefore torrid zone the hottest among the temperature zones.

4. Ans - Bangladesh half an hour ahead of India?

↳ Bangladesh standard time (BST) is technically GMT (+6:00). Indian standard time (IST) is usually GMT (+5:30). So there is a 90 minute difference there.

5. Ans - Solar time is based on the position of the sun. It is the time we all use where a day is defined as 24 hours, the average time that

it takes for the sun to return to its highest point. Local noon in solar time is the moment when the sun is at its highest point in the sky.

GAZ - standard meridian is useful for a country because it shows and fixes a particular time for the country. A country may have many longitudes in between and there is a time gap of 4 min between each longitude. There fore standard meridian should be there in each country for the equal time.

Time - The earth has 360 imaginary lines called longitudes or meridians running vertically between the poles. Each of these longitudes is called a degree. The 0 degree longitude passing through Greenwich, near London, is considered as standard and the time of all the time zones are calculated accordingly. The time difference between each longitude (each degree) is 4 min. So if it is 12 noon at Greenwich (0 degree), it would be 12:04 pm at 1 degree meridian and soon. In India, the standard meridian is 82 and a half degree. So the time difference between Greenwich and India is 82.5×4 , which is 330 minutes (5 hr 30 min).

8. Ans - As lines of latitude and longitudes cross each other, they form a grid. Any position on earth can be located if the latitude and longitude are known. The grids on the maps help us find a particular location. Longitude also help us to calculate the time of a particular place.